"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

L 06377-67 EWT(1) GW

ACC NR: AR6014576 SOURCE CODE: UR/0169/65/000/011/G031/G031

20
B

AUTHORS: Rykunov, L. N.; Sedov, V. V.

TITLE: Wave structure of seismowaves

SOURCE: Ref. zh. Geofizika, Abs. 11G245

REF SOURCE: Sb. Seysmich. issledovaniya. No. 6. M., Nauka, 1965, 31-36

TOPIC TAGS: seismic wave, seismology, microseism, cyclone

ABSTRACT: The problem involved in the wave composition of microseisms for the intracontinental districts of the SSSR is analyzed on the basis of data from 9 seismic stations. The case of a sharp intensification of seismic activity in the course of a single cyclone of 2 February 1958 was utilized. The rear part of the cyclone between its cold fronts was taken as the source of the microseisms. It is assumed that the microseisms result from the superimposition of the Rayleigh and the Love waves. Separating the Love component, the authors calculated the ratio between the major semiaxes of the ellipse for the remaining Rayleigh component. For several of the stations this ratio was found to be 0.7, which agrees with its theoretical value. Starting with the polarization characteristics of the Rayleigh waves (at the moment of the maximum R_z the value of $R_H = 0$), the authors determined the direction

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L 06377-67

ACC NR: AR6014576

of the translocation in the horizontal plane for the Love component. Among a multitude of the determined directions, the direction toward the source (northwesterly) appears to predominate. The values of the group velocities, obtained by calculating the correlation coefficients between the records of the microseisms passing about some districts on two seismic stations, agree well with the velocities of Rayleigh waves and Lg waves. Relations between the mean values for the Love and Rayleigh wave amplitudes, shown in this work, indicate that the fractions of the waves of both types are about equal in the composition of the microseisms. O. Korchagina [Translation of abstract]

SUB CODE: 08

Card 2/2

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

L 07842-67 EWT(1) GD/GW

ACC NR: AT6034368 SOURCE CODE: UR/0000/66/000/000/0085/0087

AUTHOR: Rykunov, L. N.; Sedov, V. V.

ORG: none

25
B+1

TITLE: Analysis results of the seismic noise level in the 1—5 cps frequency range on the bottom of the Black Sea at depths to 1000 m

SOURCE: AN SSSR. Mezhduvedomstvennyy geofizicheskiy komitet. Stroyeniye Chernomorskoy vpadiny (Structure of the Black Sea depression); sbornik statey. Moscow, Izd-vo Nauka, 1966, 85-87

TOPIC TAGS: seismograph, seismologic instrument, seismic wave, oceanographic instrument, noise analyzer, underwater sound equipment, seismic signal

ABSTRACT: An analysis of seismic noise in the 1 to 15-cps range recorded in 1963 on the bottom of the Black Sea at depths of 300, 500, and 1000 m is presented along with a description of an ocean-bottom seismometer (see Figs. 1 and 2). The frequency-amplitude characteristic of the instrument package provides undistorted seismic-signal reception over the 0.06— to 1-sec period range. The signals are recorded on magnetic tape at slow speed and played back at high speed, thus permitting a significant increase in the data storage capacity of the unit (about 4 days). The results of the spectral analysis of noise at the stated depths are given, with wind force and sea surface conditions taken into account. The noise spectra obtained (amplitude versus

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L 07312-67

ACC NR: AT6034368

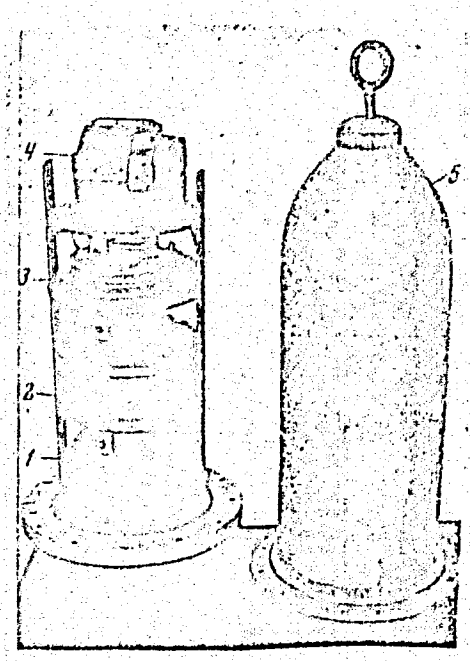

Fig. 1. Ocean-bottom seismometer

1 - NS-3 geophone; 2 - amplifier; 3 - data storage unit; 4 - power source; 5 - housing.

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ACC NR: AT6034368

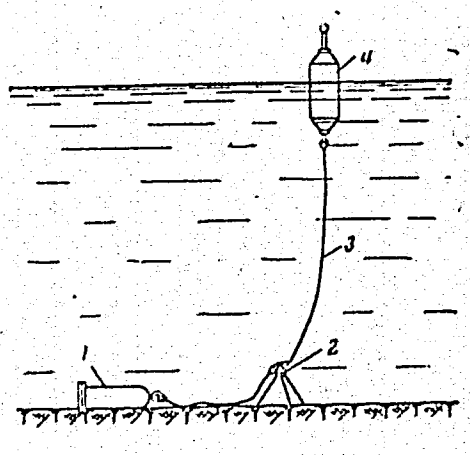

Fig. 2. Mooring arrangement

1 - Seismometer; 2 - anchor; 3 - cable; 4 - surface buoy.

period) show a decrease in noise intensity with depth. It is also seen that each spectral function (shown graphically) consists of two parts differing sharply in intensity. For the 0.06 to 0.6-sec range, the noise level is comparatively low, while above 0.6 sec, the noise level shows a sharp increase. Tabular data presented in the article show that at depths of 300 to 500 m, the noise level in the 0.06 to 0.6-sec range compares to that at the most seismically quiet continental points. At

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L 07800-67

ACC NR: AT6034368

1000 m, the noise amplitude is 3 mμ for the same range. It is concluded that an amplification of $5 \cdot 10^5$ to $1 \cdot 10^6$ in the system for the period range of 0.06 to 0.6 sec can be attained. Orig. art. has: 4 figures and 1 table.

SUB CODE: 08/ SUBM DATE: 04May66/ OTH REF: 001/ ATD PRESS: 5102

Card 4/4 bc

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

L 03781-67 EWT(m) GD

ACC NR: AT6029629 SOURCE CODE: UR/0000/66/000/000/0150/0157

AUTHOR: Volokhova, N. A.; Gubin, V. A.; Darenskaya, N. G.; Koznova, L. B.; Korchemkin, V. I.; Nevskaya, G. F.; Sadov, V. V.

ORG: none

47
B+1
19

TITLE: Peculiarities of clinical manifestations of radiation sickness in rhesus monkeys during gamma-ray irradiation

SOURCE: Voprosy obshchey radiobiologii (Problems of general radiobiology). Moscow, Atomizdat, 1966, 150-157

TOPIC TAGS: ~~ionizing~~ radiation biologic effect, monkey, dog, ionizing radiation, ~~hematologic effect~~ hematology

ABSTRACT: A comprehensive clinical examination of gamma-irradiated monkeys was conducted, and the data were compared with results of similar examinations of dogs. Seventeen monkeys (Macaca rhesus) of both sexes, weighing 2.0 to 4.0 kg, were subjected to gamma irradiation from an EGO-2 apparatus with a dose rate of 357—313 r/min. Prior to irradiation, all monkeys had been under clinical observation for 2—3 weeks. Eleven of the 14 monkeys irradiated with 300 r died (average duration of life 16.5 days), while two of the 3 monkeys irradiated with 350 r died (29.5 and 36.2 days after irradiation). Both groups of gamma-

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ACC NR: AT6029629

irradiated monkeys were considered together, since the clinical manifestations of radiation sickness were similar in both groups. Experimental data were compared with data from analogous dog experiments, using a 300-r dose of gamma rays, and no essential differences in the radiation effect were noted between the two species. However, the spread of life durations in monkeys (6.5—36.2 days) was wider than for dogs (11.5—18.5 days). The primary reaction to radiation was more pronounced and developed more rapidly in monkeys than in dogs. The primary radiation reaction was absent in 2 out of 17 monkeys, as compared with 18 out of 28 dogs. Furthermore, seven monkeys experienced severe primary radiation reactions, while none of the dogs did. In the first 10—11 days after irradiation, no essential differences were noted between the temperature reactions of monkeys and dogs. However, by the time of death dogs had elevated body temperatures (average 1.5C above normal), whereas monkeys' temperatures had fallen considerably below normal. Symptoms of radiation sickness appeared later (15—18 days after irradiation) and developed more gradually in monkeys than in dogs (7—12 days). Autonomic dysfunction is considered responsible for the lability of symptoms in monkeys in the early postradiation period. This hypothesis is substantiated by the considerable variations in blood pressure, the unstable heart rhythm, etc. Hematopoietic changes in monkeys in response to radiation had a phase character, demonstrating the different course of the radiation reaction in different

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ACC NR: AT6029629

types of cells. Since blood regeneration occurred even in monkeys dying after 30—36 days, it was concluded that blood changes were not the primary factor in animal deaths. The lower lethal dose values encountered in these experiments are partially explained by differing experimental conditions, but require further study. Orig. art. has: 2 figures and 1 table. [JS]

SUB CODE: 06/ SUBM DATE: 23Apr66/ ORIG REF: 008/ OTH REF: 006
ATD PRESS: 5064

Card 3/3

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

GUTKIN, A.A.; NASLEDOV, D.N.; SEDOV, V.Ye.; TSARENKOV, B.V.

Photoelectric properties of GaAs p-n junctions. Fiz. tver. tela 4 no.9:2338-2348 S '62. (MIRA 15:9)

1. Fiziko-tekhnicheskiy institut imeni A.F. Ioffe AN SSSR, Leningrad.
(Junction transistors) (Gallium arsenide)
(Photoelectricity)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

GUTKIN, A.A.; NASLEDOV, D.N.; SEDOV, V.Ye.; TSARENKOV, B.V.

Photoelectric solar energy converters using GaAs.
Radiotekh. i elektron. 7 no.12:2095-2096 D '62.
(MIRA 15:11)

1. Fiziko-tekhnicheskiy institut im. A.F. Ioffe AN SSSR.
(Photoelectric cells)
(Solar batteries)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

L 14978-63 EWA(1)/EWG(k)/EWP(q)/EWT(m)/BDS AFFTC/ASD/ESD-3/SSD
Px-4/Pz-4 AT/JD/WG/IJP(C)
ACCESSION NR: AP3004916 S/0120/63/000/004/0187/0188

B+
74

AUTHOR: Gutkin, A. A.; Rogachev, A. A.; Sedov, V. Ye.; Tsarenkov, B. V.

TITLE: Low-inertia gallium arsenide light-generating diode

SOURCE: Pribory i tekhnika eksperimenta, no. 4, 1963, 187-188

TOPIC TAGS: gallium arsenide light generator, light-generating diode, gallium arsenide diode, carrier injection luminescence, injection luminescence, gallium arsenide laser, laser, carrier, luminescence, injection

ABSTRACT: A light-generating diode made of single crystal n-type gallium arsenide diffused with p-type zinc has been constructed and tested. Light emission was produced at room temperature by applying a pulsed current with pulse duration of 1—10 μsec across the p-n junction. The obtained light spectrum showed two maxima centered at 0.95 and 1.3 μ. The time constant was less than 5×10^{-8} sec. At a maximum injection current of 20 amp the efficiency of the generator was about 0.1%. The authors hope to increase the photon flux several times by constructional refinements and the use of higher quality material. The author acknowledges that while the present article was being prepared for printing, the journal

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ACCESSION NR: AP3004916

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Electronics (July 1962, 13, 7; 1962, 27, 24) disclosed the construction (in the U. S.) of a gallium arsenide light-generating diode with a power of 3 w operated at liquid-nitrogen temperatures. "The authors thank D. N. Nasledov and S. M. Ry*vkin for their interest in the work." Orig. art. has: 4 figures.

ASSOCIATION: Fiziko-tekhnicheskiy institut AN SSSR (Physicotechnical Institute, AN SSSR)

SUBMITTED: 14Sep62 DATE ACQ: 28Aug63 ENCL: 00

SUB CODE: PH NO REF SOV: 001 OTHER: 001

Card 2/2

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

Sedov, V. Ye.

AID Nr. 975-15 23 May

NONLINEAR PHOTOEFFECT OF GaAs p-n JUNCTIONS (USSR)

Gutkin, A. A., D. N. Nasledov, and V. Ye. Sedov. Fizika tverdogo tela, v. 5, no. 4, Apr 1963, 1138-1142. S/181/63/005/004/027/047

Two types of GaAs photodiodes were studied. The specimens were obtained by diffusion of acceptor-type dopants into n-type material with a carrier concentration of $\sim 10^{17}$ cm^{-3} and a carrier mobility of $\sim$ 3200 $cm^2/v \cdot sec$. The p-region of the first type of sample was $\sim$ 10 μ thick after diffusion and was decreased by etching in a boiling mixture (5NaOH (5%) + 1 H_2O_2 (30%) + 24H_2O) to $\sim$ 1 μ. The p-region of the second type was 1 μ thick after diffusion and the specimens were not etched. Diffusion conditions were designed to produce a dopant-atom concentration of $\sim 10^{18}$ cm^{-3} at the surface of the samples. Photocurrent characteristics, dependence of photosensitivity on bias light intensity, spectral distribution of photosensitivity with constant-spectrum bias light, dependence of photosensitivity on bias light wavelength, and spectral distribution of photosensitivity with a constant electric field applied to the illuminated p-surface were obtained. Specimens of the first type

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AID Nr. 975-15 23 May

NONLINEAR PHOTOEFFECT [Cont'd] S/181/63/005/004/027/047

had nonlinear photocurrent characteristics and exhibited increased photosensitivity with an increase in bias-light intensity. The nonlinear properties of the first type of diode are attributed to light-induced changes in the recombination rate at the illuminated p-surface. Specimens of the second type had linear photocurrent characteristics, and exhibited no dependence of photosensitivity on bias light. [BB]

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

GUTKIN, A.A.; KOZLOV, M.M.; NASLEDOV, D.N.; SEDOV, V.Ye.

Long-wave edge of the photoeffect and recombination emission in GaAs p - n-junctions. Fiz. tver. tela 5 no.12:3617-3620 D '63. (MIRA 17:2)

1. Fiziko-tekhnicheskiy institut imeni A.F.Ioffe AN SSSR, Leningrad.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

L 15679-65 EWT(m)/EWP(t)/EWP(b) ASD-3/AFFTC/ESD-3/IJP(c)/ESD(t)/SSD/AFWL/RAEM(a) JD/JG

ACCESSION NR: AP4047485 S/0120/64/000/005/0184/0186

AUTHOR: Gutkin, A. A.; Kozlov, M. M.; Nasledov, D. N.; Sedov, V. Ye.; Talalakin, G. N.

TITLE: Localization of p-n junctions in gallium arsenide by means of an MIK-1 infrared microscope

SOURCE: Pribory* i tekhnika eksperimenta, no. 5, 1964, 184-186

TOPIC TAGS: gallium arsenide, pn junction, infrared microscope / MIK-1 infrared microscope

ABSTRACT: Specimens were prepared from n-GaAs single crystals having an electron concentration of 10^{17}–5×10^{18} /cm^2 and a mobility of 2,000–3,500 cm^2/v sec; the p-n junction was obtained by diffusing Zn whose concentration on the surface of the p-region was 5×10^{18}–10^{20} /cm^3; the specimens were 0.1–1 mm thick. Three methods were used for localizing p-n junctions: (a) in

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ACCESSION NR: AP4047485

transmitted infrared light; (b) in reflected infrared light; (c) by recombination radiation of the junction. These advantages are listed: (1) Low error of localization, ± 0,5 micron; (2) No need for any treatment of the specimen surface (staining, etching) which might contaminate the surface; (3) In methods "a" and "c," the entire area of the junction is visible. The limits of applicability of the above methods are given. "The authors wish to thank Ya. A. Oksman for his help in preparing the test specimens." Orig. art. has: 2 figures and 1 table.

ASSOCIATION: Fiziko-tekhnicheskiy institut AN SSSR (Physico-Technical Institute, AN SSSR)

SUBMITTED: 02Nov63 ENCL: 00

SUB CODE: EC, OP NO REF SOV: 001 OTHER: 006

Card 2/2

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

L 23950-65 EWT(m)/EWP(b)/EWP(t) IJP(c) JD

ACCESSION NR: AP5003416 S/0181/65/007/001/0081/0087

AUTHOR: Gutkin, A. A.; Nasledov, D. N.; Sedov, V. Ye.

TITLE: Spectral characteristics of gallium arsenide photoelements

SOURCE: Fizika tverdogo tela, v. 7, no. 1, 1965, 81-87

TOPIC TAGS: gallium arsenide, photoelectric effect, photoelectricity, photoelement, spectral characteristic, spectroscopy

ABSTRACT: Measurements of the spectral distribution of the effective quantum yield of GaAs photoelements have been made at temperatures of 78—430K and the results compared with Subashiyev's data (V. K. Subashiyev. FTT, 3, 3571, 1961). The measurements, carried out in the photon energy region of 1.3—3 ev, showed a strong effect of surface recombination on the photosensitivity of the samples; they showed also that the contribution of carriers generated by light in areas other than the p-n junction cannot be neglected in evaluating the photocurrent. The above findings apply principally to samples with highly alloyed surfaces not subjected to etching, the characteristics of which do not conform with those derived theoretically. It was also

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ACCESSION NR: AP5003416

established that the spectral characteristics of gallium arsenide near the main absorption edge do not agree with the spectral distribution of the absorption coefficient of the starting material, which is due to the introduction of acceptor impurity in preparing the p-n junction. No recombination constants can be determined from the spectral characteristics in the region of the main absorption edge because of the optical nonhomogeneity there. Orig. art. has: 5 figures and 3 tables. [ZL]

ASSOCIATION: Fiziko-tekhnicheskiy institut im. A. F. Ioffe, AN SSSR, Leningrad (Physicotechnical Institute, AN SSSR)

SUBMITTED: 24Jun64 ENCL: 00 SUB CODE: EM, EC

NO REF SOV: 005 OTHER: 011 ATD PRESS: 3177

Card 2/2

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

L 00063-66 EWT(m)/EPF(c)/EWP(t)/EWP(b) IJP(c) JD

ACCESSION NR: AP5021323 UR/0120/65/000/004/0014/0022
621.382.032.27

44
41
B

AUTHOR: Libov, L. D.; Meskin, S. S.; Nasledov, D. N.; Sedov, V. Ye.; Tsarenkov, B. V.
55 55 55 55 55

TITLE: Gallium arsenide-metal ohmic contacts

SOURCE: Pribory i tekhnika eksperimenta, no. 4, 1965, 14-22

TOPIC TAGS: gallium arsenide, semiconductor alloy, indium base alloy, indium
55 21

ABSTRACT: The article reviews the literature data on the properties of certain impurities in gallium arsenide and the materials and methods used by various authors for preparing ohmic contacts on n- and p-type GaAs. Such contacts are made by fusing in indium, tin, and lead, alloys of indium and gold, and also alloys of silver with zinc and silver with lead. Indium is preferred for ohmic contacts on n-type GaAs with an electron concentration between 1.5×10^{17} and 1×10^{19} cm^{-3} and on p-type GaAs with a hole concentration $> 2 \times 10^{18}$ cm^{-3}; an alloy of indium with a small amount of zinc (about 1%) is preferred for contacts on p-type GaAs with a hole concentration $< 2 \times 10^{18}$ cm^{-3} if the contacts are intended for operation at temperatures not above 150C. The advantages of indium and its alloy with a small amount of Zn are: (1) they form low-resistance ohmic

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ACCESSION NR: AP5021323

contacts on GaAs at relatively low melting points; (2) they are the softest contact materials and hence do not cause mechanical strains in GaAs near the contact; (3) they do not undergo any structural transformations (in contrast to Sn) over a range extending from the melting point to the temperature of liquid helium. Orig. art. has: 1 figure and 3 tables.

ASSOCIATION: Fiziko-tekhnicheskiy institut AN SSSR, Leningrad (Physicotechnical Institute, AN SSSR)

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SUBMITTED: 22Jan65 ENCL: 00 SUB CODE: IC, MM

NO REF SOV: 018 OTHER: 056

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

L 11109-66 EWT(m)/EWP(v)/T/EWP(t)/EWP(k)/EWP(b)/EWA(c) JD/HM

ACC NR: AP6002532 SOURCE CODE: UR/0286/65/000/023/0037/0037

INVENTOR: Ul'yanov, V. I.; Sedov, V. Ye.; Podgayetskiy, V. V.

44,55 44,55 44,55

43 B

ORG: none

TITLE: Gas-shielded arc welding and brazing method. Class 21, No. 176648. [announced by the Electric Welding Institute im. Ye. O. Paton AN UkrSSR (Institute electrosvazki AN UkrSSR)]

44,55

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 23, 1965, 37

TOPIC TAGS: welding, brazing, arc welding, gas shielded arc, arc brazing

ABSTRACT: This Author Certificate introduces a method of gas-shielded arc welding and brazing which uses a combination of internal and external annular gas streams. To ensure uniform heating and melting of the metal and thus to improve the weld quality, the heat is carried by the internal gas stream. [ND]

SUB CODE: 13 / SUBM DATE: 10Dec64/ ATD PRESS: 4176

HW

Card 1/1 UDC: 621.791.85
621.791.753.9

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

L 6943-66 EWT(m)/EWP(t)/EWP(b) IJP(c) JD/JG

ACC NR: AP5017325 SOURCE CODE: UR/0181/65/007/007/2217/2219

48
B

AUTHOR: Gross, Ye. F.; Safarov, V. I.; Sedov, V. Ye.

ORG: Physicotechnical Institute, im. A. F. Ioffe, AN SSSR, Leningrad (Fiziko-tekhnicheskiy institut AN SSSR)

TITLE: Luminescence of donor-acceptor pairs in GaAs crystals alloyed with Cd

27 27 27

SOURCE: Fizika tverdogo tela, v. 7, no. 7, 1965, 2217-2219

TOPIC TAGS: luminescence spectrum, alloying, semiconducting material, semiconductor theory, ionization phenomenon

ABSTRACT: The photoluminescence spectrum of GaAs crystals, alloyed with Cd by diffusion from the gas phase, was studied as a function of: Cd concentration, temperature (4.2°-28°K), and the intensity of the stimulated light. The alloy concentration was changed by etching the surface where the diffused Cd has passed through. Data obtained at 4.2°K for the luminescence spectrum of crystals having a maximum Cd concentration of about 5×10^{18} cm^{-3} in the unetched condition, showed that in addition to the usual maximum occurring at 8340 Å--designated as region A, a new region 'B' was found at 8495 Å. Upon lowering the Cd concentration by progressively etching off the surface (2, 25, and 50 mk), the maximum in region B was displaced to higher energies or lower wavelengths; finally, it united with region A. For the lowest Cd con-

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ACC NR: AP5017325

centration, 50 mk etched off, the spectrum did not show the above effect; instead, a visible region of marginal radiation and excitons appeared (designated as region 'ε'). For higher Cd concentrations, a decrease in stimulated emission from I_{max}, by a factor of 100, induced the largest displacement of the B region maximum (from 8450 to 856 to 8560 Å), while hardly displacing the A region maximum. By increasing the temperature from 4.2°K, all of the crystals with Cd impurities exhibited a stretching in the region of free exciton emission, while regions A and B weakened in intensity. At higher temperatures, splitting and separation of the A and B maxima occurred in the heavily etched crystals. At 78°K, only regions A and ε were visible. An explanation of the observations is given in terms of the donor-acceptor pair model. Accordingly, for electron pair transitions from donor to acceptor levels, radiation of energy $E_g = (E_d + E_a) + e^2 (\varepsilon r)^{-1}$ is emitted. Here, E --width of forbidden zone of the crystal, E_d and E_a--ionization energies of the donors and acceptors, r--distance between the donor and acceptor in a pair, and ε--dielectric constant of the crystal. The data is analyzed using the above-mentioned parameters for the donor-acceptor pair model. For the long wavelength edge of the B region (about 1.44 ev), with r approaching infinity for distant states, E_d is calculated to be 0.05 ev, using literature values for E_g and E_a. It is proposed that donor-acceptor pair interactions in GaAs and *in semiconducting lasers are responsible* for electroluminescence emission, and the associative maxima. Orig. art. has: 2 figures.

SUB CODE: SS/ SUBM DATE: 10Feb65/ ORIG REF: 002/ OTH REF: 007

Card 2/2

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

L 6337-66 EWT(m)/T/EWP(t)/EWP(b)/EWA(c) IJP(c) JD/JG

ACCESSION NR: AP5019882 UR/0181/65/007/008/2538/2539

AUTHOR: Gutkin, A. A.; Kagan, M. B.; Sedov, V. Ye.; Chernov, Ya. I.

TITLE: Effect of orientation of GaAs crystals on the depth and photoelectric properties of diffusion pn junctions

SOURCE: Fizika tverdogo tela, v. 7, no. 8, 1965, 2538-2539

TOPIC TAGS: gallium arsenide, pn junction, zinc, photoelectric cell, spectral distribution, photosensitivity

ABSTRACT: In view of some contradiction in earlier results (M. T. Minamoto and H. T. Malafi, J. Appl. Phys. v. 34, 1876, 1963) the authors have investigated the influence of orientation on the rate of diffusion of zinc by producing deep p-n junctions in plates having the same orientations as used in the preparation of photocells. The spectral distributions of the photosensitivity at photon energies 1.3--3 ev, of diffusion GaAs photocells which the authors produced under identical conditions, turned out to be practically the same, in spite of the fact that earlier results indicated that the position and form of the p-n junction should depend on the concentration and distribution of the dislocation. The initial material was single-crystal GaAs of n-type with electron density (2--3) x 10^{17} cm^{-3} and mobility 3500--4000 $cm^2v^{-1}sec^{-1}$ grown horizontally by the Bridgman method.

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L 6337-66

ACCESSION NR: AP5019882

The treatment of the crystals is described. The results show that the thickness of the p-layer, and consequently the diffusion coefficient of the zinc, does not depend on the orientation. Addition of arsenic into the ampoule greatly reduces the diffusion coefficient of zinc. This result agrees with that of L. J. Vieland (J. Phys. Chem. Sol. v. 21, 318, 1961). Orig. art. has: 1 table.

ASSOCIATION: Fiziko-tekhnicheskiy institut im. A. F. Ioffe AN SSSR, Leningrad (Physicotechnical Institute AN SSSR)

SUBMITTED: 20Mar65 ENCL: 00 SUB CODE: SS

NR REF SOV: 001 OTHER: 005

6C

Card 2/2

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

L 21185-66 EWT(m)/EWP(t) LIP(c) JD
ACC NR: AP6009647 SOURCE CODE: UR/0181/66/008/003/0712/0716

AUTHOR: Gutkin, A. A.; Magerramov, E. M.; Nasledov, D. N.; Sedov, V. Ye. 40 B

ORG: Physicotechnical Institute im. A. F. Ioffe, AN SSSR, Leningrad (Fiziko-tekhnicheskiy institut AN SSSR)

TITLE: Spectral characteristics of GaAs p-n junctions in the near-ultraviolet 27-21

SOURCE: Fizika tverdogo tela, v. 8, no. 3, 1966, 712-716

TOPIC TAGS: gallium arsenide, p n junction, spectral energy distribution

ABSTRACT: The photosensitivity of GaAs p-n junctions was measured up to photon energies of 5.4 ev and at temperatures of 90, 293, and 370K. The investigations were made with the use of a quartz double monochromator during illumination of both the n- and p-surfaces of the samples. At photon energies higher than 3 ev, the photosensitivity increased slightly and then leveled off, only to increase again slightly at about 5 ev. The shapes of the characteristics remained similar during the illumination of the n- and p-surfaces. It is considered probable that the structure of the spectral characteristics of GaAs in the

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ACC NR: AP6009647

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ultraviolet region, where the photon energy is more than two times the width of the forbidden zone, is due to a change of the quantum output of the photoconductive effect, caused by impact ionization. Orig. art. has: 2 figures. [ZL]

SUB CODE: 20 SUBM DATE: 15Jul65/ ORIG REF: 004/ OTH REF: 008
ATD PRESS: 4222

Card 2/2 BK

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SEDOV, Ye., inzhener

Time under a microscope. Znan.sila 30 no.7:13-17 Jl'55.
(Time measurements) (MLRA 8:10)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SEDOV, Yevgeniy Aleksandrovich; FEDCHENKO, V., red.; YEGOROVA, I., tekhn. red.

[Reporting from no man's land] Reportazh s nicheinoi zemli; rasskazy ob informatsii. Moskva, Molodaia gvardiia, 1963. 271 p. (MIRA 16:6)
(Information theory) (Communication)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SEDOV, Ye. N.

Sedov, Ye. N.

"A study of the selectivity of fecundation in new types of apples in connection with the selection of better pollinators." Min Higher Education USSR. Voronezh Agricultural Inst. Voronezh, 1956. (Dissertation for the Degree of Candidate in Agricultural Sciences).

Knizhnaya letopis'
No. 21, 1956. Moscow.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SEDOV, Ye.N.

Increasing the viability of apple hybrids. Agrobiologiia no.3:134-136 My-Je '56. (MLRA 9:9)

1.Nauchno-issledovatel'skiy institut plodovodstva imeni I.V.Michurina, Michurinsk.
(Apple) (Hybridization, Vegetable)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SEDOV Ye. N.

USSR/General Biology. Genetics B

Abs Jour : Ref Zhur-Biol., No 13, 1958, 57201

Author : Zayets V. K., Sedov Ye. N.
Inst : Not given
Title : Influence of Growth Conditions on Selectivity in the Fertilization of Apple Trees

Orig Pub : Agrobiologiya, 1957, No 3, 67-71

Abstract : Described are the author's observations of the effect of a wilding on the differentiation of the sexual cells in intravarient pollination; of the comparative selectivity of fertilization in inoculated and self rooting apple trees in crossed pollination; and of the effect of additional pollination by a foreign pollen on the fertility of apple and pear trees in intravariety pollination.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SEDOV, Ye. N., kand. sel'skokhozyaystvennykh nauk.

Selective fertilization of new apple varieties and selection of pollinizers. Agrobiologiia no. 3:131-135 My-Je '58. (MIRA 11:7)

1. Orlovskaya plodovo-yagodnaya opytnaya stantsiya.
(Apple breeding)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SEDOV, Ye.N.

Effect of pollinating varieties and pollen mixtures on some physiological processes in apple seedlings. Fiziol. rast. 5 no.2: 193-196 Mr-Ap '58. (MIRA 11:4)

1.Orlovskaya plodovo-yagodnaya opytnaya stantsiya, Orel.
(Apple) (Fertilization of plants)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SEDOV, Ye.N., kand.sel'skokhozyaystvennykh nauk; SEDOVA, Z.A.

Using increased amounts of phosphorus and potassium in conditioning young hybrid apple and pear seedlings. Agrobiologiia no.4: 559-562 Jl-Ag '60. (MIRA 13:8)

1. Orlovskaya plodovo-yagodnaya opytnaya stantsiya.
(Apple--Fertilizers and manures)
(Pear--Fertilizers and manures)

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SEDOV, Ye.N.

Selective fertilization in apple trees. Izv. AN SSSR. Ser. biol. 28 no.1:74-86 Ja-F'63. (MIRA 16:8)

1. Orlovskaya plodovo-yagodnaya opytnaya stantsiya.
(APPLE) (FERTILIZATION OF PLANTS)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SEDOV, Ye.N., kand. sel'skokhoz. nauk

Phase heterogeneity in hybrid apple seedlings. Agrobiologiia no.6: 949-950 N-D '64. (MIRA 18:2)

1. Orlovskaya plodovo-yagodnaya opytnaya stantsiya.

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SEDOV, Ye.N.

Study of the viability of apple pollen. Bot. zhur. 50 no.1:138-142 Ja '65. (MIRA 18:3)

1. Orlovskaya plodovo-yagodnaya opytnaya stantsiya, Orel.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SEDOV, YU.

7638. SEDOV, YU. -- Moy opyt raboty. (tokarnyye raboty. penzmashzavod). penza, kn. izd., 1954. 44 s. s ill. 19 sm. 3.000 ekz. 60 K. -- (55-3575)P
621.941.01 st

SO: Knizhnaya Letopsis', Vol. 7, 1955

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

CHEKRYGIN, Ivan Gavrilovich; SEDOVA, A.P., red.; NIKOLAYEVA, L.N., tekhn.red.

[Safety measures in the maintenance and repair of motor vehicles] Tekhnika bezopasnosti pri tekhnicheskom obsluzhivanii i remonte avtomobilei. Izd.4., ispr. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transporta i shosseinykh dorog RSFSR, 1960. 68 p. (MIRA 13:6)

(Motor vehicles--Maintenance and repair)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

DRUYAN, Yakov Meyerovich; GUTTSAYT, Roman Moiseyevich; SEDOVA, A.P., red.; GALAKTIONOVA, Ye.N., tekhn.red.

[Organization of motorbus lines; Leningrad practices] Organizatsiia raboty avtobusov na marshrutakh; iz opyta Leningrada. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1960. 80 p. (MIRA 14:3)
(Leningrad--Motorbus lines)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

NEFEDOV, Aleksandr Fedorovich; CHERNYAYKIN, V.A., otv. za vypusk; SEDOVA, A.P., red.; GALAKTIONOVA, Ye.N., tekhn. red.

[Selectring the efficient total weight of an automobile train] Vybor ratsional'nogo obshchego vesa avtopoezda. Moskva, Avtotransizdat, 1961. 35 p. (MIRA 15:1)
(Automobile trains)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

GAYENKO, Lazar' Mikhaylovich; SEDOVA, A.P., red.; NIKOLAYEVA, L.N., tekhn. red.

[Running-in and testing repaired motor-vehicle engines] Prirabotka i ispytanie avtomobil'nykh dvigatelei posle remonta. Moskva, Avtotransizdat, 1961. 37 p. (MIRA 14:6)
(Motor vehicles--Engines)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

NIKITIN, Nikolay Anatol'yevich; SEDOVA, A.P., red.; GALAKTIONOVA, Ye.N., tekhn.red.

[Organizing centralized transfers of building freight] Organizatsiia tsentralizovannykh perevozok stroitel'nykh gruzov. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1961. 56 p. (MIRA 14:6)
(Building materials—Transportation)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

KLINKOVSHTEYN, Georgiy Il'ich; SEDOVA, A.P., red.; NIKOLAYEVA, L.N., tekhn.red.

[Investigating braking characteristics of motor vehicles under operating conditions] Issledovanie tormoznykh kachestv avtomobilei v ekspluatatsii. Moskva, Avtotransizdat, 1961. 97 p. (MIRA 14:12)

(Motor vehicles--Brakes)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

DOTSENKO, Nikolay Illarionovich, kand. tekhn. nauk; SEDOVA, A.P., red.; DONSKAYA, G.D., tekhn. red.

[Automatic building-up of metals in repairing motor vehicle parts] Avtomaticheskie sposoby naplavki metalla pri remonte avtomobil'nykh detalei. Moskva, Avtotransizdat, 1961. 164 p. (MIRA 14:12)
(Motor vehicles—Maintenance and repair)
(Electric welding)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

DOTSENKO, Nikolay Illarionovich; SEDOVA, A.P., red.; BODANOVA, A.P., tekhn. red.

[Reconditioning crankshafts of motor vehicles by means of building up by pulsation welding] Vosstanovlenie kolenchatykh valov avtomobilei elektroimpul'snoi naplavkoi. Moskva, Avtotransizdat, 1962. 58 p. (MIRA 15:8)

(Electric welding)
(Motor vehicles—Transmission devices)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

KOLESNIK, Pavel Adamovich; MOROZOV, Nikolay Dmitriyevich; SEDOVA, A.P., red.; DONSKAYA, G.D., tekhn. red.

[Materials used in motor vehicles and tires; manual for an automobile mechanic] Avtomobil'nye materialy i shiny; posobie avtomekhaniku. Izd.3., perer. Moskva, Nauchno-tekhn. izd-vo M-va avtomobil'nogo transp. i shossejnykh dorog RSFSR, 1962. 221 p. (MIRA 15:4)

(Materials) (Tires—Rubber)
(Motor vehicles—Maintenance and repair)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

GORDON, Mikhail Petrovich; YAKOBI, Anatoliy Al'fredovich; SEDOVA, A.P., red.; GORYACHKINA, R.A., tekhn. red.

[Increasing the efficiency of automotive transportation of industrial goods] Povyshenie effektivnosti avtomobil'nykh perevozok promyshlennykh gruzov. Moskva, Avtotransizdat, 1963. 79 p. (MIRA 16:6)
(Transportation, Automotive)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

PETUKHOV, Vladimir Mikhaylovich; SEDOVA, A.P., red.; GALAKTIONOVA, Ye.N., tekhn. red.

[Work organization of taxi transportation in Leningrad] Organizatsiia raboty legkovogo taksomotornogo transporta v Leningrade. Moskva, Avtotransizdat, 1963. 41 p. (MIRA 16:9)
(Leningrad--Cab and omnibus service)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SMIRNOV, German Pavlovich; SEDOVA, A.P., red.; BODANOVA, A.P., tekhn. red.

[Organization of automotive transportation in construction and industry] Organizatsiia raboty avtomobil'nogo transporta na stroitel'stve i v promyshlennosti. Moskva, Avtotransizdat, 1963 97 p. (MIRA 16:9)
(Rostov-on-Don—Transportation, Automotive)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

TUKACHINSKIY, Mikhail Savel'yevich; SEDOVA, A.P., red.; GALAKTIONOVA, Ye.N., tekhn. red.

[Over-all machine accounting in automotive transportation units] Kompleksnaia mekhanizatsiia ucheta v avtokhoziaistvakh. Moskva, Avtotransizdat, 1963. 71 p.
(MIRA 17:1)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

BASH, Mikhail Samuilovich; SHEYNFAYN, Mikhail Robertovich;
SELOVA, A.F., red.

[The transportation financial plan of an automotive transportation enterprise] Transfinplan avtotransportnogo predpriiatiia. Moskva, Transport, 1964. 106 p. (MIRA 17:7)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

LESOV, Yuriy Isaakovich; ITKIND, Izrail' Isaakovich; SEDOVA, A.P., red.

[Automotive transportation of food and industrial goods] Avtomobil'nye perevozki prodovol'stvennykh i promyshlennykh tovarov. Moskva, Transport, 1964. 199 p. (MIRA 17:5)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

IOFFE, Iosif Zusimovich; SEDOVA, A.P., red.

[Analysis of the production and financial operations of automotive transportation units; collection of problems and exercises] Analiz proizvodstvenno-finansovoi deiatel'nosti avtokhoziaistv; sbornik zadach i uprazhnenii. Moskva, Transport, 1964. 123 p. (MIRA 17:12)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SAVASHKEVICH, V.N.; SEDOVA, A.P., red.

[Shifting freight haulage from railroad to automotive transportation; practice of two transportation junctions] Perekliuchenie perevozok gruzov s zheleznodorozhnogo transporta na avtomobil'nyi; opyt dvukh transportnykh uzlov. Moskva, Transport, 1964. 44 p. (MIRA 18:5)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut avtomobil'nogo transporta (for Savashkevich).

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

PAVLOVICHEV, Mikhail Stepanovich; SEDOVA, A.P., red.

[Reducing costs of automotive transportation] Snizhenie sebestoimosti avtomobil'nykh perevozok. Moskva, Transport, 1965. 87 p. (MIRA 18:4)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

FILIPPOV, Vitaliy Konstantinovich; SELAVA, A.P., red.

[Development of public automotive transportation] Razvitie avtomobil'nogo transporta obshchego pol'zovaniia. Moskva, Transport, 1965. 108 p. (MIRA 18:2)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SEDOVA, A.P., red.

[Regulation on the maintenance and repair of the rolling stock for automotive transportation] Polozhenie o tekhnicheskom obsluzhivanii i remonte podvizhnogo sostava avtomobil'nogo transporta. Izd.2. Moskva, Transport, 1965. 52 p. (MIRA 18:7)

1. Russia (1917- R.S.F.S.R.) Ministerstvo avtomobil'nogo transporta i shosseinykh dorog.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SEDOVA, A.[illegible]

[Maintenance and repair of imported motor vehicles; a provisional manual] Tekhnicheskoe obsluzhivanie i remont importnykh avtomobilei; vremennoe rukovodstvo. Moskva, Transport, 1965. 117 p. (MIRA 18:10)

1. Moscow. Nauchno-issledovatel'skiy institut avtomobil'nogo transporta.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SEDOVA, A.V., otv. za vypusk

[Timetable of suburban trains: Moscow - Kashira - Ozherelye, Moscow Railroad; winter 1961/62] Raspisanie dvizheniia prigorodnykh poezdov Moskva-Kashira-Ozherel'e Moskovskoi zh.d.; zima 1961/62 g. Moskva, Transzheldorizdat, 1961. 55 p. (MIRA 15:3)

(Railroads—Timetables)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SEDOVA, A.V., otv. za vypusk

[Timetable of suburban trains; Moscow - Kashira - Ozherel'ye of the Moscow Railroad; summer 1962] Raspisanie dvizheniia prigorodnykh poezdov. Moskva - Kashira - Ozherel'e Moskovskoi zhd.; leto 1962 g. Moskva, Transzheldorizdat, 1962. 55 p. (MIRA 15:6)

(Railroads—Timetables)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

ACC NR: AT6032432 (A) SOURCE CODE: UR/3133/66/000/009/0105/0109

AUTHOR: Sedova, F. I.

ORG: L'vov Branch of the Institute of Geophysics, AN UkrSSR (L'vovskiy filial Instituta Geofiziki, AN UkrSSR)

TITLE: Certain regularities in the occurrence of oscillations with periods up to 10 sec in the earth's electromagnetic field

SOURCE: AN UkrSSR. Mezhduvedomstvennyy geofizicheskiy komitet. Informatsionnyy byulleten', no. 9, 1966. Geofizika i astronomiya, 105-109

TOPIC TAGS: telluric current, electromagnetic field

ABSTRACT: A study of micropulsations recorded at the Korts telluric current station during 1958-1964 showed a definite statistical relationship in the distribution of oscillations of two types: (1) Pc-1 pulsations with periods of 0.2-5 sec, which were formerly known as PP beads and (2) Pc-2 pulsations which are stable sinusoidal oscillations with periods of 5-10 sec. It was assumed that the Pc-2 oscillations comprise a definite type, which has no relationship to the neighboring groups and particularly to Pc-1. A description of the periods and characteristics of these micropulsations is given. A statistical relationship was found between these types of micropulsations. It is revealed when occurrences are plotted against years. The table shows that the relationship of Pc-2 to the year's activity is not very clear. On the other

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ACC NR: AT6032432

Year	1958	1959	1960	1961	1962	1963	1964
Pc-1	6	8	27	66	75	67	40
Pc-2	77	99	66	30	10	16	21

hand, the Pc-1 oscillations exhibit an apparently inverse relationship. Thus, a rise in the Pc-1 oscillations is accompanied by a decrease in Pc-2. It is concluded that data collected over a number of years indicate the existence in intermediate latitudes of a relationship between different groups of micropulsations with periods under 10 sec. Super position of oscillations of different periods were recorded on days of strong storms. Stable and regular oscillations of the Pc-2 type were sometimes detected on the days when recordings failed to show any disturbance. Beats usually replaced micropulsations in times of decreasing solar activity. Appearance of Pc-1 and Pc-2 on both calm and stormy days indicates their relationship to disturbances which occur only in high latitudes. Thus, existence of a statistical relationship between different types of micropulsations points to: their belonging to the same class and the possibility of occurrence of this class under different physical conditions. Orig. art. has: 4 figures.

SUB CODE: 08/ SUBM DATE: none/ ORIG REF: 004

Card 2/2

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

45609
S/819/62/000/002/004/004
D207/D307

3,9410

AUTHOR: Sedova, F.I.

TITLE: On the diurnal distribution of telluric current pulsations at various latitudes

SOURCE: Akademiya nauk Ukrayins'koyi RSR. Instytut heofyzyky. Geofizicheskiy sbornik, no. 2(4), 1962, 111-114

TEXT: An analysis was made of the diurnal variations in the meridional components of the telluric currents recorded in 1959 at the following Soviet stations: Lovozero, Borok, Shatsk, Petropavlovsk-Kamchatskiy, Yuzhno-Sakhalinsk, L'vov (Uzhgorod), Korets, Alushta, Alma-Ata, Morshin, Petrozavodsk. Medium-period (10-40 sec) sinusoidal pulsations appeared only during daytime with maxima near the local midday. These maxima occurred at somewhat different times at stations differing in longitude because of the effect of noncoincidence of the geomagnetic and geographic axes of the earth. Non-sinusoidal pulsations of 10-40 sec periods usually behaved like the sinusoidal pulsations with the same periods but sometimes had maxima

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D207/D307

On the diurnal distribution ...

in the morning. Both the sinusoidal and the nonsinusoidal medium-period pulsations had similar diurnal distributions for stations separated by large distances, suggesting a similar mechanism as the underlying cause. Short period (3-10 sec) pulsations appeared at night with maxima at the local midnight, but in the case of strong disturbances they spread to daytime. The majority of short-period pulsations was sinusoidal with periods of 3-6 and 6-8 sec. Long-period (40-90 sec) pulsations lasted only a few minutes at a time and occurred mostly at night. There are 4 figures and 2 tables.

ASSOCIATION: L'vovskiy filial Instituta geofiziki (L'vov Branch of the Geophysics Institute)

SUBMITTED: June 27, 1961

Card 2/2

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

GUDALIN, G. G., RYSHCHUK, M. A., SEDOVA, G. A.

Geography and Geology

Requirements of industry as to the quality of mineral raw materials. Handbook for geologists--Moskva, Gos. izd-vo geologicheskoi lit-ry Komiteta po delam geologii pri SNK SSSR, No. 25, Copper, 1947.

Monthly List of Russian Accessions, Library of Congress, October 1952. Unclassified.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SEDOVA, G.A.

~~CA~~

Grindability of minerals. G. A. Khan, G. A. Sedova, and L. A. Kurakina. *Gornyi Zhur.* 124, No. 8, 23-8 (1950).—The grindability of a number of minerals was studied in a lab. rod mill. The grindability index is expressed as the ratio of the yield of material −200 mesh in the product to the yield of −200-mesh quartz similarly ground. The indexes for the tested minerals were quartz 1, apatite 1.9, magnetite 3.4, bauxite 3.5, and calcite 5.08. M. Hosch

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SEDOVA, G.A.

Utilization of the water in tailings and concentrates in concentration mills. TSvet.met. 27 no.5:15-16 S-O '54. (MIRA 10:10)

(Ore dressing)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SEDOVA, G. A.

G.A. Sedova (Giprotsvetmet)

"The uncertainty of the need to automate beneficiation works"

report presented at the 4th Scientific and Technical Session of the Mekhanobr Inst, Leningrad, 15-18 July 1958

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

BANKETOV, A.K.; VERIGO, K.N.; MAKRUSHINA, Ye.A.; SEDOVA, G.A.; TOMOVA, I.S.; FOMICHEV, L.Kh., red.; TROITSKIY, A.V., red.; VELLER, L.Ye., red.; LOGINOVA, Ye.I., tekhn.red.

[Copper industries in capitalist countries]Mednaia promyshlennost' kapitalisticheskikh stran. Moskva, Pt.1. [Mining and treatment of copper ores]Dobycha i obogashchenie mednykh rud. 1962. 171 p. (MIRA 16:4)

1. Moscow. TSentral'nyy institut informatsii tsvetnoy metallurgii.

(Copper mines and mining) (Ore dressing)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

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LUVISHIS, L.A., kand. tekhn. nauk; SHOVA, G.V., inzh.

Testing of Hungarian laboratory apparatus. Nauch.-issl. trudy TSNIISherstI no.17:126-131 '62. (MIRA 17:12)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

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SEDOVA, G.A.; NIKITIN, A.A.

Methods of determining the content of minerals in placers. TSvet. met. 36 no.9:8-11 S '63. (MIRA 16:10)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

ALEKSANDROV, A.M.; MIKHAYLYAN, N.K.; SEDOVA, G.A.

Determination of small quantities of water in acetaldehyde by infrared spectroscopy. Khim.prom. no.9:570-572 Ag '62. (MIRA 15:9)

(Acetaldehyde) (Water—Spectra)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

RUBANOV, A.S.; SEDOY, G.I.

Entropy of the distribution of coordinates and pulses of a particle situated in a potential well with infinite walls. Dokl. AN BSSR 7 no.7:449-452 Jl '63. (MIRA 16:10)

1. Institut fiziki AN BSSR i Institut matematiki i vychislitel'noy tekhniki AN BSSR. Predstavleno akademikom AN BSSR B.I.Stepanovym.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SEDOVA, G.P.

Hygienic aspects of the decontamination of textile industrial waste water containing chromium salts, used for watering fields. J. hyg. epidem. (Praha) 8 no.3:281-289 '64

1. Sysina Institute of General and Communal Hygiene, Academy of Medical Sciences of the U.S.S.R., Moscow.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SEDOVA, G.P., Cand Med Sci -- (diss) "Sanitary hygienic evaluation of soil irrigated with ~~ecrar~~ chromium-containing drain water from the wool industry," ~~containing chromium.~~ Mos, 1958, 11 pp (Acad Med Sci USSR. Inst of General and Communal Hygiene im A.N. Sysin) 200 copies (KL, 50-58, 130)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SEDOVA, G.P., aspirant

Sanitary evaluation of soil irrigated with sewage containing chromium. [with summary in English]. Gig. i san. 23 no.6:15-19 Je '58 (MIRA 11:7)

1. Iz Instituta obshchey i kommunal'noy gigiyeny imeni A.N. Sysina AMN SSSR.

(SOIL,
irrigated with sewage containing chromium, sanitary evaluation (Rus))
(CHROMIUM,
sanitary evaluation of soil irrigated with sewage containing chromium (Rus))
(SEWAGE,
containing chromium in soil irrigation, sanitary evaluation (Rus))

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SEDOVA, G.P., kand. med. nauk

Determination of methyl alcohol in soils of the Podzol type.
Gig. sanit. 28 no.2:56-58 '63 (MIRA 17:2)

1. Iz Instituta obshchey i kommunatl'noy gigiyeny imeni S.N. Sysina AMN SSSR.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SADYKOVA, F.Kh.; MOROZOVSKAYA, I.S.; SEDOVA, G.V.; TELKOVA, Ye.I.

Optimum size of strips used in determining tearing loads for textile fabrics. Standartizatsiia 25 no.1:30-33 Ja '61. (MIRA 14:3)

(Textile fabrics--Testing)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SI[illegible], I. I.

"Morphological and Biological Analysis of the Mouth Apparatus of Birds in Regard to Their Feed." Thesis for degree of Cand. Biological Sci. Sub 23 Oct 50 Moscow City Pedagogical Inst. imeni V. P. Potemkin

Summary 71, 1 Sep 52, Dissertations Presented for Degrees in Science and Engineering in Moscow in 1950. From Vecherniyaya Moskva, Jan-Dec. 1950.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

LEVIN, S.Z.; SEDOVA, I.G.; KARPOV, A.Z.; BATENINA, A.D.; GUREVICH, G.S.

Hydrogenation of C_6 - C_8 aliphatic aldehydes on a zinc-containing catalyst. Zhur.prikl.khim. 37 no.7:1631-1633 Jl '64. (MIRA 18:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftekhimicheskikh protsessov.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

LEVIN, S.Z.; GUREVICH, G.S.; SEROVA, I.G.; BATENINA, A.D.

Hydrogenation of propionaldehyde to propyl alcohol under medium pressure. Zhur.prikl.khim. 38 no.6:1414-1417 Je '65. (MIRA 18:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftekhimicheskikh protsessov.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

LEVIN, S.Z.; [illegible], G.S.; [illegible]; BATENINA, A.D.

Hydrogenation of butyraldehydes on a mixed zinc oxide catalyst. Zhur. prikl. khim. 37 no.8:1842-1843 Ag '64.

(MIRA 17:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftekhimicheskikh protsessov.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

LEVIN, S.Z.; KARPOV, A.Z.; SEDOVA, I.G.; BATENINA, A.D.; GUREVICH, G.S.

Hydrogenation of butyraldehydes on industrial nickel-chromium catalysts. Zhur. prikl. khim. 37 no.6:1391-1394 Je '64. (MIRA 18:3)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SEDOVA, I. M.

"Investigation of the Operation of Valves of Drill Pumps Operating on Clay Solutions." Cand Tech Sci, Chair of Oil Industry Machines and Mechanisms, Moscow Order of Labor Red Banner Petroleum Inst imeni Academician I.M. Gubkin, Min Higher Education USSR, Moscow, 1955. (KL, No 18, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

DEGTEVA, T.G.; SEDOVA, I.M.; KHAMIDOV, Kh.A.; KUZ'MINSKIY, A.S.

Thermal degradation of a viton A-type of elastomer in the 250 - 400° temperature range. Vysokom.soed. 7 no.7:1198-1202 Jl '65. (MIRA 18:8)

1. Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

S/190/63/005/003/015/024
B101/B203

AUTHORS: Degteva, T. G., Sedova, I. M., Kuz'minskiy, A. S.

TITLE: Thermal degradation of the fluorine-containing Kel-F elastomer at temperatures above 300°C. II

PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 5, no. 3, 1963, 378-384

TEXT: Continuing the paper published in Vysokomolek. soyed., 3, 671, 1961, the thermal degradation of Kel-F, a tetrafluoro chloro ethylene - vinylidene fluoride copolymer, was studied in vacuo at 340 - 380°C. Results: (1) The effective activation energy of the degradation process is 53 kcal/mole. (2) Products of molecular weight ~490 are mainly formed in the thermal degradation. The effective activation energy during formation of these products is also 53 kcal/mole. (3) Besides these "high-molecular" products, 8-10% of a low-molecular liquid is formed. The activation energy of its formation is 35 kcal/mole. (4) HCl, HF, and F_2 are formed as gaseous products. (5) The presence of glass accelerates the liberation of the hydrogen halides. (6) A radical-ionic mechanism is assumed for the process

Card 1/2

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

Thermal degradation of the... S/190/63/005/003/015/024
B101/B203

of degradation. There are 8 figures.

ASSOCIATION: Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti (Scientific Research Institute of the Rubber Industry)

SUBMITTED: August 21, 1961

Card 2/2

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

DEGTEVA, T.G.; SEDOVA, I.M.; KUZ'MINSKIY, A.S.

Mechanism of the thermal degradation of elastomer of the type Kel-F (copolymer of trifluoroethylene with vinylidene fluoride) in the temperature range 200-380°. Part 4. Vysokom. soed. 5 no.10:1485-1490 O '63. (MIRA 17:1)

1. Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

L 61853-65 EWT(m)/EPF(c)/EWP(j) Pc-4/Pr-4 JAJ/RM

ACCESSION NR: AP5018429 UR/0190/65/007/007/1198/1202

678.01:54

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21

B

AUTHOR: Degteva, T. G.; Sedova, I. M.; Khamidov, Kh. A.; Kuz'minskiy, A. S.

TITLE: Thermal degradation of Viton-A type elastomer at 250-400 degrees C

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 7, 1965, 1198-1202

TOPIC TAGS: viton A, hexafluoropropylene, vinylidene fluoride, thermal degradation

ABSTRACT: The thermal degradation of Viton A (a hexafluoropropylene-vinylidene fluoride copolymer) was studied in a vacuum at 250-400°. In the 250-320° C range, the change in the weight of the elastomer was very slight (about 1%). The activation energy of thermal degradation of the polymer chain in this range is 23 kcal; this is attributed to the presence of weak spots in the chain. In the 340-400° C range, an extensive degradation of the macromolecules occurs, and in addition to the polymer residue, three fractions are evolved. Infrared spectroscopic analysis revealed that the polymeric residues and fractions I and II contain isolated and conjugated double bonds of the -CF=ClH- type; the gaseous fraction III consists primarily of CF_3H, $CH_2=CF_2$, fluorinated hydrocarbons of unidentified structure, SiF_4, and minute

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ACCESSION NR: AP5018429

amounts of CO and CO_2. The activation energy of thermal degradation of the elastomer and detachment of HF from it at 360-400° C is 59 kcal. It was shown that the amount of HF evolved from the elastomer at 360, 380, and 400° C is small and does not exceed 2 wt. %. This is due, on the one hand, to the irregular structure of the macromolecules, and, on the other hand, to the depolymerization of the vinylidene fluoride units and formation of secondary reaction products from them (CF_3H). Orig. art. has: 2 figures.

ASSOCIATION: Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti (Scientific Research Institute of the Rubber Industry)

SUBMITTED: 03Aug64 ENCL: 00 SUB CODE: MT, GC

NO REF SOV: 006 OTHER: 004

Card 2/2

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

DZEVANSKIY, Yu.K.; DODIN, A.L.; KONIKOV, A.Z.; KRASNYY, L.I.; MAN'KOVSKIY, V.K.; MOSHKIN, V.N.; LYATSKIY, V.B.; NIKOL'SKAYA, I.P.; SALOP, L.I.; SALUN, S.A.; RABKIN, M.I.; RAVICH, M.G.; POSPELOV, A.G.; NIKOLAYEV, A.A.; IL'IN, A.V.; BUZIKOV, I.P.; MASLENNIKOV, V.A.; NEYELOV, A.N.; NIKITINA, L.P.; NIKOLAYEV, V.A.[deceased]; OBRUCHEV, S.V.; SAVEL'YEV, A.A ; SEDOVA, I.S.; SUDOVIKOV, N.G.; KHIL'TOVA, V.Ya.; NAGIBINA, M.S.; SHEYNMANN, Yu.M.; KUZNETSOV , V.A.; KUZNETSOV, YU.A.; BORUKAYEV, R.A.; LYAPICHEV, G.F.; NALIVKIN, D.V., glav. red.; VERESHCHAGIN, V.N., zam. glav. red.; MENNER, V.V., zam. glav. red.; OVECHKIN, N.K., zam. glav. red.[deceased]; SOKOLOV, B.S., red.; SHANTSER, Ye.V., red.; MODZALEVSKAYA, Ye.A., red.; CHUGAYEVA, M.N., red.; GROSSGEYM, V.A., red.; KELLER,B.M., red.; KIPARISOVA, L.D., red.; KOROBKOV, M.A., red.; KRASNOV, I.I., red.; KRYMGOL'TS, T.Ya., red.; LIBROVICH, L.S., red.; LIKHAREV, B.K., red.; LUPPOV, N.P., red.; NIKIFOROVA, O.I., red.; POLKANOV, A.A., red.[deceased]; RENGARTEN, V.P., red.; STEPANOV, D.L., red.; CHERNYSHEVA, N.Ye., red.; SHATSKIY, N.S., red.[deceased]; EBERZIN, A.G., red.; SMIRNOVA, Z.A., red.izd-va; GUROVA, O.A., tekhn. red.

[Stratigraphy of the U.S.S.R. in fourteen volumes. Lower Pre-Cambrian] Stratigrafiia SSSR v chetyrnadtsati tomakh. Nizhnii Dokembrii. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geologii i okhrane nedr. pt. 1 (Asiatic part of the USSR) 1963. 396p,

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

SUDOVIKOV, Nikolay Georgiyevich, doktor geol.-miner. nauk; GLEBOVITSKIY, Viktor Andreyevich; DRUGOVA, Galina Mikhaylovna; KRYLOVA, Nelitina Dmitriyevna; NEYELOV, Aleksandr Nikolayevich; SEDOVA, Irina Sergeyevna;

[Geology and petrology of the southern margin of the Aldan Shield] Geologiia i petrologiia iuzhnogo obramleniia Aldanskogo shchita. [By] N.G.Sudovikov i dr. Moskva, Nauka, 1965. 289 p. (MIRA 18:3)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

NEYELOV, A.N.; GLEBOVITSKIY, V.A.; KATS, A.G.; KOPAYEVICH, L.V.; SEDOVA, I.S.

Southwestern boundary and age of the Aldan Shield. Geol. i geofiz. no.11: 52-59 '62. (MIRA 16:3)

1. Laboratoriya geologii dokembriya AN SSSR, Leningrad.
(Aldan Plateau--Geology)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

S[illegible]

Metamorphism of the upper [illegible] granite [illegible] the western
spurs of the [illegible] Range. [illegible] Geol. dokem. no.19:
166-175 '64 (MIRA 17:8)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

MYSHLYAYEVA, L.V.; KRASNOSHCHEKOV, V.V.; SHATUNOVA, T.G.; SEDOVA, I.V.

Determination of iron in ferrocene and its organosilicon derivatives. Zav. lab. 30 no.8:944 '64. (MIRA 18:3)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni Mendeleyeva.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2

MYSHLAYEVA, L.V.; KRASNOSHCHEKOV, V.V.; SEDOVA, I.V.

New methods for the determination of silicon. Trudy MKHTI no.44:132-138 '64. (MIRA 18:1)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001447620014-2"